

ELECTRONICS

Ireland supplies approximately 20 per cent of western Europe's electronics' output and has developed a leading position in semi-conductor components and ICT equipment.

International electronics companies such as Intel, Analog Devices, Dell, IBM, HP and Cisco have located major manufacturing, R&D and Fab facilities in Ireland.

This concentration of high technology multinationals, coupled with significant investment in R&D by the Irish government, has facilitated the development of a strong group of innovative indigenous companies in the electronics sector.

Investment in micro and nanotechnology research has resulted in the establishment of world-leading centres of excellence with up to 1,000 researchers working in the areas of microelectronics, sensors, ambient technologies, nanoelectronics and photonics.

In addition, Enterprise Ireland has led the establishment of networks of Irish indigenous companies, multinationals and academic research groups in areas such as IC design, instrumentation for lifesciences, power electronics, wireless sensor networks and photonics.

KEY SECTOR CHARACTERISTICS

- Ireland supplies 20 per cent of European electronic production primarily in semi-conductor components and data processing equipment.
- The sector in Ireland is characterised by state-supported industry clusters working with research centres on the development of next generation technologies.
- Investment in start-up electronics companies, primarily in Fabless IC design has reached an annual total of over €100m.
- The indigenous sector is dominated by exporters providing leading-edge technology products to global niche markets.

GROWTH AREAS

Enterprise Ireland has identified the following areas as presenting growth opportunities over the next five years.

- Microelectronic design especially analog IC design
- Semi-conductor processing equipment
- Industrial control equipment
- Building management systems including lighting, low voltage switchgear and access control, with emphasis on increased efficiency and the green agenda.

IRELAND

Ireland enters the second decade of the 21st century as a country transformed into a dynamic, innovative and open economy where exports account for more than 80% of GNP. Therefore, Ireland's business people are experienced and skilled at meeting and exceeding the needs of their international customers.

While retaining strengths in traditional industries like agri-business and sub-supply, Irish companies are now successfully exporting products and services in sectors such as cleantech and green technology, life sciences, software and telecoms, and financial and education services.

Ireland has an excellent skills base, a first-class education system, a thriving R&D sector, and a track record of bringing innovative products and services to market quickly. As a result, Irish companies are smart, flexible and have the capability to compete internationally.

Ireland is one of the most favoured European destinations for foreign direct investment and, at 12.5%, has the lowest corporate tax rate in the EU. Ireland also provides a tax credit of 25% of capital and revenue spend on qualifying R&D.

ENTERPRISE IRELAND

Enterprise Ireland is the government organisation responsible for the development of Irish enterprise and has a strong track record in assisting Irish businesses to start, grow, innovate and internationalise.

With a network of offices covering more than 60 markets across the globe, we have developed a vibrant network of contacts, detailed knowledge and a keen understanding of local markets and cultures. We can help you connect with and maintain profitable partnerships with businesses in Ireland.

Talk to us www.enterprise-ireland.com

Science Foundation Ireland: www.sfi.ie

Technology Clusters:

IC Design: www.midasureland.com

Instrumentation for Lifesciences: www.lis-network.com

Power Electronics: www.peig.ie

Wireless Sensor Networks: www.wisen-ireland.com

ELECTRONICS SOLUTIONS MAP

BUILDING MANAGEMENT SYSTEMS

General

Comeragh Controls Ltd
Cylon Controls Ltd
Rockbrook Engineering
Standard Control Systems Ltd

Access Control

Access Control Technology Ltd
Electro Automation Ltd

Lighting

Connect Electronics
E M Con Systems Ltd
LED Lighting & Electrical Distribution Group
Nualight Ltd
Vee-Lite Lighting Ltd
Ventilux Ltd

Switchgear

Anord Control Systems Ltd
Avonmore Electrical Co Ltd
E & I Engineering Ireland Ltd
E-TEC Power International Ltd
Jackson Switchgear
Renley Ltd
Western Automation Research & Development Ltd

Air Conditioning

EDPAC International Ltd
Safeguard Systems Ltd

COMPONENTS

Electrical

Ceramicx Ireland Ltd

Mechanical

QEF Global Ltd

Photonics

Eblana Photonics Ltd
Engineering & Design Ltd
Fibrepulse Ltd
Firecomms Ltd
Lightwave Optics Ltd
Optyka Ltd
SensL

Power Supplies

Convertec Ltd
Excelsys Technologies Ltd
Power-Plex Technologies Ltd
Powervation Ltd

Precision Engineering

Benson Engineering Ltd
Caragh Precision Ltd
Sparktech Ltd

Semi-Conductors

CEVA Ireland Ltd
Duolog
Redmere
Chipright

Telecomms

Stella Doradus Industries Ltd

Wireless

Benetel Ltd
Sigtec Ltd

ELECTRONIC DATA PROCESSING

Display

Data Display Co Ltd
ICE Tech Ltd
Vendlink Communications Ltd

General

Dutec Ltd

Peripherals

Arystor Ltd
Credit Card Systems Ireland Ltd
Dajeil Ltd

Refurbishment

Multis Ltd

Tracking

Celtrak Ltd

ELECTRICAL EQUIPMENT

Catering

Marco Beverage Systems Ltd

Retail

Novum (Overseas) Ltd

Transport

Quaestor Analytic Ltd

INDUSTRIAL CONTROL

Aircraft

Acra Control Ltd
Aircraft Management Technologies Ltd

CD/DVD

Quantized Systems Ltd
Reconcile Engineering Ltd

Fishing

Fluid Controls (Ireland) Ltd

Food

Odenberg Engineering Ltd

Gas

Datac Control International Ltd
Monicon Technology Ltd
Ntron Europe Ltd

General/Design

Accutron Ltd

Pharma

Control and Information
Management Edward Dornan
Manufacturing Ltd
Hanley Controls Ltd
ONG Automation Ltd
P J Boner & Co Ltd
Prosys Sampling Systems Ltd

Plastics

Total Sigma Measurements Ltd

Process Control

Douglas Electronics Systems Ltd
Lotus Automation (Ireland) Ltd

Robotics

John Byrne Conveyors & Packaging Services Ltd

Semi-Conductors

Magnetic Solutions Ltd
Straatum Processware Ltd

Telecomms

Dexgreen Ltd
Intune Networks Ltd

Test and Measurement

Abrel Products Ltd
Eurolec Instrumentation Ltd
Tecpro Ltd

Transport

Associated Rewinds (IRL) Ltd
DEM Machines Ltd

Utilities

Lakefield eTechnologies Ltd

SUB-SUPPLY

Assembly

Beta Electronics Ltd
F B Aragorn Services Ltd
Realtime Technologies Ltd

Design

mSemicon Teoranta
Silicon & Software Systems Ltd (S3)
The National Microelectronics
Applications Centre (Holdings) Ltd

Harnesses

M&M Qualtech Ltd
Systact Systems Ltd

Hybrids

Biotron Industries Ltd

Materials

Micam Ltd

Mechanical

Byrne-Mech Ltd

Plastics

Irish Custom Extruders Ltd

Test and Measurement

Anecto Ltd

COMPANY NAME

DESCRIPTION

WEBSITE

Abrel Products Ltd	Electronics, semi-conductor test equipment – Burn-in Board (BIB) testers	www.abrel.com
Access Control Technology Ltd	Design and production of electronic access control and door entry products	www.accesscontrol.ie
Accutron Ltd	Solutions for automated testing and fixture control applications	www.acutron.com
Acra Control Ltd	Design and manufacture of flight test data acquisition systems and software	www.acracontrol.com
Aircraft Management Technologies Ltd	Provision of wireless technology solutions for capturing aircraft operations data	www.flightman.com
Anecto Ltd	Reliability testing and product repair of electronic sub-assemblies	www.anecto.com
Anord Control Systems Ltd	Design and manufacture of low voltage switchgear and control solutions	www.anord.ie
Arystor Ltd	Design and development of RAID data storage controllers for OEM partners	www.arystor.com
Associated Rewinds (IRL) Ltd	Remanufacture of traction motors for the locomotive industry	www.associatedrewinds.com
Avonmore Electrical Co Ltd	Industrial electric motors, pumps, switchgear sales and services	www.avonmore-electrical.com
Benetel Ltd	Radio frequency/wireless system and circuit design and test	www.benetel.com
Benson Engineering Ltd	Manufacture of precision turned engineering components	www.bensoneng.ie
Beta Electronics Ltd	Design, prototyping and turn-key manufacturing service	www.beta-electronics.com
Biotron Industries Ltd	Design and manufacture of thick film, hybrid and printed interconnect technologies	www.biotron.ie
Byrne-Mech Ltd	Design and manufacture of sheet metal enclosure systems	www.byrnemech.ie
Caragh Precision Ltd	Precision engineering for the medical devices and aerospace sectors	www.caraghprecision.ie
Celtrak Ltd	Vehicle tracking and fleet monitoring using mobile data and internet technologies	www.celtrak.com
Ceramicx Ireland Ltd	Manufacture of ceramic based infra red heaters and accessories	www.ceramicx.com
Chipright	Verification tools for semi-conductor design	www.chipright.com
CEVA Ireland Ltd	Intellectual property platform solutions and DSP cores for wireless, consumer and multimedia applications	www.ceva-dsp.com
Connect Electronics	Component distributors and suppliers of LED lighting	www.connectelectronics.com
Control and Information Management	Turnkey industrial automation products and process control systems, installation, services and consultancy	www.cim.ie
Comeragh Controls Ltd	Design and manufacture of technologically superior energy management systems	www.comeraghcontrols.com
Convertec Ltd	Design and manufacture of customised and standard power supplies	www.convertec.ie
Credit Card Systems Ireland Ltd	Plastic card products and services	www.ccsireland.ie
Cylon Controls Ltd	Provider of Building Energy Management Systems	www.cylon.com
Dajeil Ltd	Design and manufacture of XML Acceleration hardware and software	www.dajeil.com
Data Display Co Ltd	Manufacture of electronic information display solutions	www.data-display.com
Datac Control International Ltd	Design and manufacture of remote monitoring systems, remote terminal units and M2M products	www.dataonline.com
DEM Machines Ltd	Manufacture of standard and custom built weighing scales and systems	www.demmachines.com
Dexgreen Ltd	Design and manufacture of solutions for copper and optical fibre network applications	www.dexgreen.com
Douglas Electronics Systems Ltd	Control system integrators	www.douglas-esl.ie
Duolog	Suppliers of IC computer aided design integration systems	www.duolog.com
Dutec Ltd	Turnkey outsourcing solutions provider for the computer industry	www.dutec.ie
E & I Engineering Ireland Ltd	Design and manufacture of bespoke switchgear and electrical busbar products	www.e-i-eng.com
E M Con Systems Ltd	Emergency lighting, lighting equipment and systems manufacturer	www.emcon.ie
Eblana Photonics Ltd	Digital lasers for optical transmission applications	www.eblanaphotonics.com
EDPAC International Ltd	Close control air conditioning solutions provider	www.edpac.com
Edward Dornan Manufacturing Ltd	Calibration and maintenance management systems	www.compucal.co.uk
Electro Automation Ltd	Access control car parking equipment, automatic doors and gates	www.electroautomation.com
Engineering & Design Ltd	Design and manufacture of fibre optic connectors for harsh environments	www.avena.ie
E-TEC Power International Ltd	Design, implementation and support of Data Centre infrastructural solutions	www.e-tecpowerman.com
Eurolec Instrumentation Ltd	Manufacture of electronic measuring equipment including portable thermometers and manometers	www.eurolec-instruments.com
Excelsys Technologies Ltd	Supplier of high efficiency, low profile, user configurable modular power supplies	www.excelsys.com
F B Aragorn Services Ltd	Electronic product design and manufacture - Sub-supply	www.fibrepulse.com
Fibrepulse Ltd	Design and manufacture of fibre optic interconnect devices for the telecommunications markets	www.fibrepulse.com
Firecomms Ltd	Manufacture of semi conductor light sources, LED's and lasers for communication systems	www.firecomms.com
Fluid Controls (Ireland) Ltd	Manufacturers of fish pumps and hydraulic systems for fishing vessels	www.seaquest.ie
Hanley Controls Ltd	Control, measurement and calibration products and services	www.hanleycontrols.com
ICE Tech Ltd	Development, fabrication and deployment of touch-screen kiosk technology	www.icetech.ie
Intune Networks Ltd	Design and supply of ultra-fast optical sub-systems	www.intune-technologies.com
Irish Custom Extruders Ltd	Design and manufacture of plastic extrusions	www.irishcustomextruders.com
Jackson Switchgear	Design and manufacture of electrical switchgear	www.jacksonswitchgear.com
John Byrne Conveyors & Packaging Services Ltd	Design and manufacture of conveyor systems and robotic materials handling equipment	www.caps.ie
Lakefield eTechnologies Ltd	Network operations solutions for outage management, network modelling and mobile workforce management	www.letsys.com
LED Lighting & Electrical Distribution Group	Design and manufacture of light fittings	www.led.ie
Lightwave Optics Ltd	Design and production of precision optics	www.irishprecisionoptics.com
Lotus Automation (Ireland) Ltd	Engineering, technical and construction management solutions	www.lotusworks.com
M & M Qualtech Ltd	Mechanical, electromechanical and electronic assembly and systems integration	www.mmqualtech.ie
Magnetic Solutions Ltd	Magnetic vacuum annealing technology	www.magnetic-solutions.com
Marco Beverage Systems Ltd	Design and manufacture of water boilers and filter coffee makers	www.marcoboilers.com
Micam Ltd	Manufacture of speciality laminates, prepregs and single sided printed circuit boards	www.micam.com
Monicon Technology Ltd	Design and manufacture of electronic gas detection systems and gas monitoring instruments	www.monicon.com
mSemicon Teoranta	Custom electronic subassemblies designed and supplied to order. Specialists in motion control, audio, medical device, communication, industrial and environmental technologies. Products range from simple battery operated devices to complex FPGA-based instrumentation solutions.	www.msemicon.com
Multis Ltd	Product returns management, remanufacturing and remarketing	www.multisgroup.com
Novum (Overseas) Ltd	Manufacture of retail refrigeration equipment	www.novum.ie
Ntron Europe Ltd	Providers of gas analysis and gas handling technologies	www.neutronicsinc.com
Nualight Ltd	Advanced lighting solutions for the retail display case market	www.nualight.com
Odenberg Engineering Ltd	Design and manufacture of machinery for the food processing industry	www.odenberg.com
ONG Automation Ltd	Delivery of "wet process" automation solutions to manufacturing industries	www.ongautomation.com

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COMPANY NAME
DESCRIPTION
WEBSITE

Optyka Ltd	Digital projection applications	www.dyoptyka.com
P J Boner & Co Ltd	Instrumentation, weighing and automation sales and service	www.pjboner.com
Power Plex Technologies Ltd	Innovative power supplies for the electronic security industry	www.power-plex.ie
Powervation Ltd	Provider of digital power IC solutions that optimise power-supply performance and efficiencies for manufacturers of electronic systems	www.powervation.com
Prosys Sampling Systems Ltd	Specialists in the sampling of liquids and powders in the pharmaceutical and chemical industries	www.prosys.ie
QEF Global Ltd	Electronic fasteners, components, assembly products and inventory management solutions	www.qef.ie
Quaestor Analytic Ltd	Maintenance of electronic fare collection equipment for the transportation sector	www.quaestor.ie
Quantized Systems Ltd	Design and manufacture of physical disc analysers, covering all CD and DVD formats	www.quantized.com
Realtime Technologies Ltd	Electronic manufacturing services and integrated supply chain solutions	www.realtime.ie
Reconcile Engineering Ltd	Label counting/inspection systems for the pharmaceutical, optical disc, automotive and printing industries	www.reconcileengineering.com
Redmere	ICs for high speed communications	www.rbe.ie
Renley Ltd	Manufacture of low and medium voltage electrical distribution products	www.renley.ie
Rockbrook Engineering	Supply and installation of energy efficient building management systems	www.redmeretechnology.com
Safegard Systems Ltd	Design and manufacture of ventilation control and monitoring systems	www.safegard.ie
SensL	Provider of low light sensing solutions, silicon photomultipliers and photon counting and timing detectors	www.sensl.com
Sigtec Ltd	Design and production of wireless-based safety and communication technology	www.sigtec.ie
Silicon & Software Systems Ltd (S3)	Systems, embedded software and silicon design for consumer, wireless and related applications	www.S3group.com
Sparktech Ltd	Manufacture of precision tooling and components	
Standard Control Systems Ltd	Specialists in Intelligent Controls and Building Management Systems	www.standardcontrol.ie
Stella Doradus Industries Ltd	Design and manufacture of microwave transmit and receive antennas	www.stelladoradus.com
Straatum Processware Ltd	Design and manufacture of plasma diagnostic equipment for research and industrial applications	www.scisis.com
Systact Systems Ltd	Processors of cable for electrical and electronic industries	www.alidasystems.com
Tecpro Ltd	Automated test equipment	www.tecpro.ie
The National Microelectronics Application Centre Ltd	Electronic product development and software services	www.mac.ie
Total Sigma Measurements Ltd	Manufacture of process control equipment for plastics extrusion industry	www.tsm-controls.com
Vee-Lite Lighting Ltd	Manufacture and marketing of energy efficient lights and systems	www.light.ie
Vendlink Communications Ltd	Development and deployment of distribution systems for high value electronic codes	www.yqinternational.com
Ventilux Ltd	Emergency lighting, standby power and fire detection systems	www.ventilux.ie
Western Automation Research & Development Ltd	Specialist suppliers of Residual Current Devices (RCD) technology to the electrical industry	www.westernautomation.com